



Disaster Recovery Before and After WARN

Pat Credeur,
LRWA Executive Director

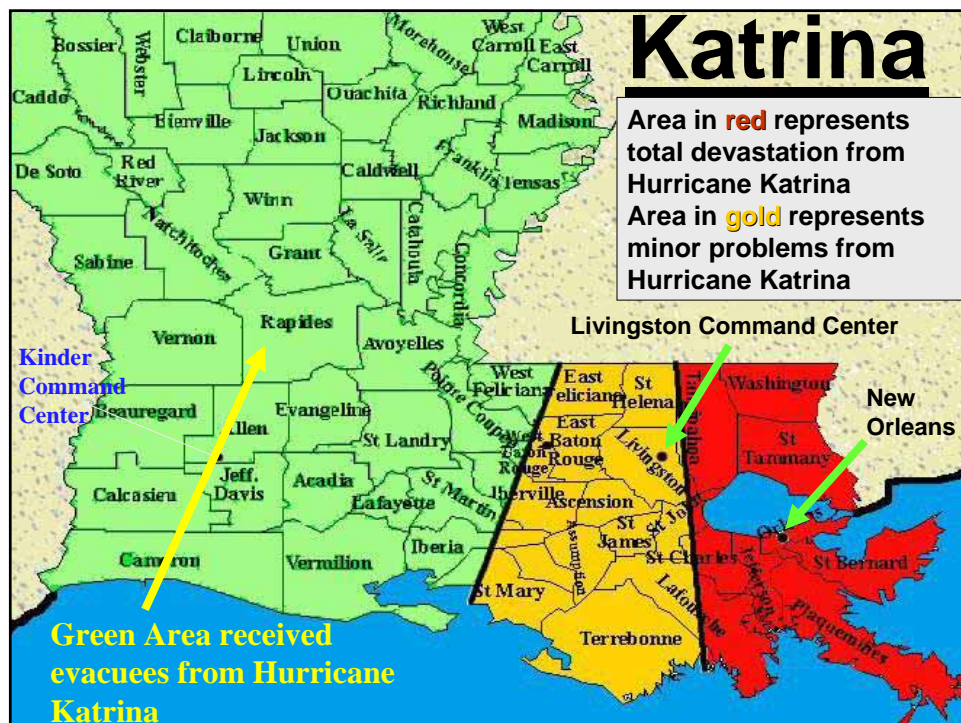


PREPARING FOR RESPONSE

- ♦ **SUPPLIES:** chlorine, dechloro, bottled water, sanitary supplies, canopies, tables, bedding, refrigerator, etc.
- ♦ **DRY BOX with:** maps, paper, batteries, pens, ID badges, highlighters, flip charts, vehicle placards, etc.

PREPARING FOR RESPONSE

- ♦ **STAFF NEEDS:** housing, sanitary facilities, food, fuel, vaccinations, insect repellent, safety & protection, emotional needs, and additional qualified manpower
- ♦ **OTHER NEEDS:** coordination, communications, transportation & storage of supplies



Hurricanes Impacted

- ♦ Schools
- ♦ Restaurants
- ♦ Grocery stores
- ♦ Public safety
- ♦ Port facilities
- ♦ Sanitary conditions

Disaster Recovery Efforts

- ♦ Locate water mains
- ♦ Repair water mains
- ♦ Locate valves
- ♦ Repair or replace valves
- ♦ Repair or replace hydrants
- ♦ Locate, repair, and/or replace water meters
- ♦ Isolate portions of water system
- ♦ Disinfect wells, storage facilities, distribution system



Disaster Recovery Efforts

- ◆ Locate water leaks
- ◆ Pressure test distribution system
- ◆ Flush distribution system
- ◆ Locate & hook up generators
- ◆ Repair/replace electric motor
- ◆ Locate fuels & supplies
- ◆ Collect & transport bacte-samples
- ◆ Assist with wastewater repairs













Mutual Aid Agreement Concepts

- ♦ MAA is only for water and/or wastewater utilities to sign
- ♦ Pre-arranged to allow for quick utility-to-utility assistance following damage
- ♦ Does not require a formal disaster declaration to invoke MAA
- ♦ Each participating utility is responsible for its own actions

Mutual Aid Agreement Concepts

- ♦ Assisting utility's personnel and equipment remain under the control of the assisting utility – with one exception
- ♦ Meets Louisiana's legal requirements
- ♦ "Compliant" with National Incident Management System (NIMS) requirements
- ♦ Rendering of assistance is ALWAYS discretionary

Damaged Utility Procedures

- ♦ Current procedure is for direct contact from one utility to another – that may change
- ♦ Initial contact by the damaged utility should include basic information like description of damage, what kind of help is needed, and an estimate of the length of time assistance will be needed

Damaged Utility Procedures

- ♦ Discuss local weather conditions in damaged utility's service area
- ♦ Establish a meeting place for assisting utility's personnel and equipment to meet with damaged utility's personnel
- ♦ Identify any known constraints in damaged utility's area, such as lack of lodging, fuel scarcity, communications, etc.

Assisting Utility Procedures

- ◆ Provide a description of personnel, equipment and materials
- ◆ Provide a reasonable estimate of time that the assisting utility's resources will be available
- ◆ Provide a listing of equipment offered and their capabilities or limitations
- ◆ Provide the names and contact information of assisting utility's personnel designated as supervisory personnel
- ◆ Agree on a time and place to meet damaged utility's personnel

Damaged Utility's Responsibilities

- ◆ Provide food and housing for assisting utility's personnel – can be provided directly or can accept billing
- ◆ Provide communications between damaged utility and assisting utility
- ◆ Provide for security and protection of assisting utility's personnel and assets
- ◆ Pay assisting utility's bill within 45 days
- ◆ Seek reimbursement from FEMA or private insurance carrier as appropriate

Assisting Utility's Responsibilities

- ♦ Permit supervision of its employees, if special certifications are required of assisting utility's personnel, but not held
- ♦ Be responsible for its own actions
- ♦ Render a bill within a reasonable time

MAA Limitations

- ♦ Probably won't be useful in certain emergencies
 - Public health emergencies such as bird flu
 - Drought
 - Disaster impacting the entire state

LaWARN Steering Committee

- ◆ Pat Credeur, Executive Director, LRWA
- ◆ Don Broussard, Water Operations Manager, Lafayette Utilities System, Large System
- ◆ Karen Irion, LDHH-OPH Chief Engineer
- ◆ Aimee Killeen, LDEQ
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- ◆ Vacant, Water/Wastewater Contractor



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Resources

Resources for WARN networks can be found at:

http://www.awwa.org/Advocacy/govtaff/issues/Issue07_Water_Response_Networks.cfm

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- ♦ Until next time, keep the water safe and secure.

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